

# **Town of Nantucket**

## **Department of Public Works**



**Invitation for Bids**

**For**

**FY2016 DPW Construction Materials**

**Due Date: Wednesday, September 9, 2015, 3:00 pm**



## Town of Nantucket

### FY2016 DPW CONSTRUCTION MATERIALS BID

The Town of Nantucket, through Town Administration, invites qualified bidders to submit bids for the furnishing of Public Works Construction Materials for the Fiscal Year 2016. The contract will run from the bid award date to June 30, 2016.

#### SECTION I. GENERAL INFORMATION

- 1) Bids can be obtained from and will be accepted at the Town of Nantucket, Procurement Office, 16 Broad Street, Nantucket, MA 02554, until **3:00 PM, Wednesday, September 9, 2015** and be publicly opened forthwith for this invitation for bid pursuant to MGL Ch. 30B. Two copies of the bid are required.
- 2) The bid envelope must be sealed and clearly marked:  
**FY2016 DPW CONSTRUCTION MATERIALS BID**
- 3) **Award date.** Award will be made within forty-five (45) days after bid opening unless otherwise stated in the specifications or the time for award is extended by mutual consent of all parties. All bids submitted shall be valid for a minimum period of forty-five (45) calendar days following the date established for acceptance.
- 4) If any changes are made to this IFB, an addendum will be issued. Addenda will be mailed or faxed to all bidders on record as having requested the IFB. Each responder shall acknowledge receipt of any and all addendum issues by submitting acknowledgment forms provided with any Addenda. **Failure to do so shall be cause to reject the submittal as being unresponsive.**
- 5) Questions concerning this IFB must be submitted in writing to: Heidi Bauer, Chief Procurement Officer, 16 Broad Street, Nantucket, MA 02554 before **2:00 PM, Monday, September 7, 2015**. Questions may be delivered, mailed, faxed or emailed to [hbauer@nantucket-ma.gov](mailto:hbauer@nantucket-ma.gov). Written responses will be mailed or faxed to all bidders on record as having requested the IFB.
- 6) Bids may be modified, corrected or withdrawn only by written correspondence received by the Town of Nantucket prior to the time and date set for the bid opening. Bid modifications must be submitted in a sealed envelope clearly labeled "Modification No. \_\_\_\_" and must reference the original IFB.
- 7) After the bid opening, a bidder may not change any provision of the bid in a manner prejudicial to the interests of the Town of Nantucket or fair competition. Minor informalities will be waived or the bidder will be allowed to correct them. If a mistake and the intended bid are clearly evident on the face of the bid document, the mistake will be corrected to reflect the intended bid, and the bidder will be notified in writing; the bidder may not withdraw the bid. A bidder may withdraw a bid if a mistake is clearly evident on the face of the bid, but the intended correct bid is not similarly evident.
- 8) The Town of Nantucket reserves the right to reject any and all bids and to waive any informality in bids received whenever such rejection or waiver is in its best interest.
- 9) The Town of Nantucket will not be responsible for any expenses incurred in preparing and submitting bids. All bids shall become the property of the Town of Nantucket.
- 10) Responders must be willing to enter into the Town of Nantucket's standard form of contract that will include the service description of this IFB.



## Town of Nantucket

- 11) The bid, and any subsequent contract for the services, is hereby issued in accordance with applicable Massachusetts General Laws. The selected bidder shall be expected to comply with all applicable state and federal laws in performance of service.
- 12) Bids received prior to the date of opening will be securely kept, unopened. No responsibility will attach to an officer or person for the premature opening of a bid not properly addressed and identified.
- 13) Any bids received after the advertised date and time for opening will be returned to the responder unopened.
- 14) Purchases by the Town of Nantucket are exempt from federal, state and municipal sales and/or excise taxes.
- 15) Unexpected closures. If, at the time of the scheduled bid opening, Town Hall is closed due to uncontrolled events such as fire, snow, ice, wind or building evacuation, the bid opening will be postponed until 2:00 PM on the next normal business day. Bids will be accepted until that date and time.
- 16) The Town of Nantucket is an Affirmative Action/Equal Opportunity Employer. The Town encourages bids from qualified MBE/DBE/WBE firms.
- 17) Bidders should be aware that many overnight mailing services do not guarantee service to Nantucket.
- 18) The contract issued as a result of this Invitation to Bid will be valid until June 30, 2016 with no stipulation for extensions.
- 19) Prior to work proceeding, a Notice to Proceed must be obtained from the Department of Public Works office, signed by the Director of Public Works, or his designee. This Notice to proceed should include: Type of project, name of street, length, width, approximate tonnage, start date, finish date. A copy of the Notice to Proceed is attached hereto.
- 20) Bidders must be currently prequalified by MassDOT, Highway Division in the specified class of work with a single contract limit greater than or equal to the project value. A contractor deemed to be prequalified will be eligible to take out official bid documents. Contractors seeking information only bid documents are not required to follow aforementioned procedures.
- 21) **RULE FOR AWARD:** Vendors can bid on as many items as they are interested in, including all bid items if desired, and skip the ones they are not interested in as they are not required to bid on every item. Bid selection will be by each item and will be based on the lowest, qualified, responsible, and responsive bid for each item, so there is the possibility that one vendor could be selected multiple items, one item or none based on this rule.



## Town of Nantucket

### SECTION II. BID SUBMISSION REQUIREMENTS

- 1) The Tax Compliance Certification must be included with the bid response. The bid must be signed by the authorized individual(s).
- 2) A Certificate of Non Collusion must be submitted with the bid response.
- 3) Bid Price Form
- 4) Reference list per Section V of this IFB.
- 5) Contractor must be on the official bidders list submitted to the Awarding Authority by MassDOT.
- 6) Acknowledgement of all addenda issued.

#### REQUIRED FORMS:

- Bid Form (Section III).
- Certificate of Non-Collusion and Tax Compliance (Sections IV and V).



## Town of Nantucket

### FY2016 DPW CONSTRUCTION MATERIALS BID SECTION III. UNIT BID PRICES FORM

State the unit bid price (written in words and in numerals). Bidders may bid on any or all items. Bid selection will be by each item and will be based on the lowest, qualified, responsible, and responsive bid for each item.

A price adjustment for cost fluctuations will be allowed as specified by the Massachusetts Department of Transportation (MassDOT) and the following. **Liquid asphalt** (greater than 100 tons and variance from base price of 5% or more) adjustment will be allowed for **Bid Item Number(s): 1 and 2**. No other Bid Items will be allowed this adjustment. MassDOT procedures and liquid asphalt prices shall be used to determine the adjustment, except as noted herein. The price adjustment shall be based on the difference between the "base price" and the "order price". The "base price" shall be the MassDOT liquid asphalt price for the month of the bid opening date (i.e. if the bid opening date is July 5, 2014, the MassDOT liquid asphalt price for July 2014 will be the base price). The "order price" shall be the MassDOT liquid asphalt price for the month the Town places an order for the item (i.e. if an order is place on is August 5, 2014, the MassDOT liquid asphalt price for August 2014 will be the order price).

Contractor Name: \_\_\_\_\_

<u>ITEM NO.1</u>	<u>HOT MIX ASPHALT (LOADED ON TOWN TRUCKS)</u>	<u>PER TON</u>
	Unit Bid Price Written in Words	In Numerals
	_____	\$ _____
<u>ITEM NO.2</u>	<u>HOT MIX ASPHALT (DELIVERED TO SITE)</u>	<u>PER TON</u>
	Unit Bid Price Written in Words	In Numerals
	_____	\$ _____
<u>ITEM NO.3</u>	<u>COLD PATCH</u>	<u>PER TON</u>
	Unit Bid Price Written in Words	In Numerals
	_____	\$ _____



## Town of Nantucket

### ITEM NO.4

### CEMENT CONCRETE

### PER CUBIC YARD

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

### ITEM NO.5

### CONTROLLED DENSITY FILL

### PER CUBIC YARD

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

### ITEM NO.6

### 4' DIAMETER PRECAST CATCH BASIN (H-20)

### PER EACH

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

### ITEM NO.7

### 4' DIAMETER PRECAST DRAIN MANHOLE (H-20)

### PER EACH

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

### ITEM NO.8

### CONSEAL ROLLS FOR PRECAST STRUCTURES

### PER CASE

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

### ITEM NO.9

### 600 GALLON PRECAST LEACHING PIT (H-20)

### PER EACH

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_



## Town of Nantucket

ITEM NO.10

1,000 GALLON PRECAST LEACHING PIT (H-20)

PER EACH

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.11

SQUARE PRECAST LEACH GALLEYS (H-20)

PER EACH

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.12

RECTANGULAR PRECAST LEACH GALLEYS (H-20)

PER EACH

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.13

STORMWATER INFILTRATOR CHAMBERS (H-20)

PER EACH

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.14

2' RISER SECTION FOR  
4' DIAMETER PRECAST STRUCTURES (H-20)

PER EACH

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_



## Town of Nantucket

ITEM NO.15

2' TALL, 24" DIAMETER PRECAST RISER (H-20)

PER EACH

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_

\$ \_\_\_\_\_

ITEM NO.16

FRAME AND GRATE

PER EACH

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_

\$ \_\_\_\_\_

ITEM NO.17

FRAME AND COVER

PER EACH

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_

\$ \_\_\_\_\_

ITEM NO.18

12 INCH PLASTIC HOOD

PER EACH

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_

\$ \_\_\_\_\_

ITEM NO.19

12 INCH CORRUGATED PLASTIC (POLYETHYLENE) PIPE

PER LINEAR FOOT

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_

\$ \_\_\_\_\_





## Town of Nantucket

ITEM NO.20      12 INCH CORRUGATED PLASTIC (POLYETHYLENE) PIPE      PER EACH  
(FLARED END SECTION)

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.21      12 INCH REINFORCED CONCRETE PIPE      PER LINEAR FOOT  
(CLASS IV)

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.22      12 INCH REINFORCED CONCRETE PIPE      PER EACH  
(FLARED END)

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.23      6 INCH CEMENT CONCRETE BARREL BLOCKS      PER PALLET

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.24      4 INCH CEMENT CONCRETE SOLID BLOCKS      PER PALLET

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.25      CLAY BRICKS      PER PALLET

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_



## Town of Nantucket

ITEM NO.26                       $\frac{3}{8}$  INCH DOUBLE WASHED STONE FOR DRAINAGE                      PER TON

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.27                       $\frac{3}{4}$  INCH DOUBLE WASHED STONE FOR DRAINAGE                      PER TON

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.28                       $1\frac{1}{2}$  INCH DOUBLE WASHED STONE FOR DRAINAGE                      PER TON

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.29                       $1\frac{1}{2}$  INCH DENSE GRADED CRUSHED STONE  
FOR BASE                      PER TON

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.30                      RIPRAP (6" – 12")                      PER TON

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_



## Town of Nantucket

ITEM NO.31

RIPRAP (12" – 18")

PER TON

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.32

STONE DUST

PER TON

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.33

SAND BORROW

PER CUBIC YARD

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.34

LOAM BORROW

PER CUBIC YARD

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.35

WHITE THERMOPLASTIC PAINT

PER PALLET

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_



## Town of Nantucket

ITEM NO.36

YELLOW THERMOPLASTIC PAINT

PER PALLET

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.37

WHITE WATERBORNE PAINT

PER PALLET

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.38

YELLOW WATERBORNE PAINT

PER PALLET

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.39

BLUE WATERBORNE PAINT

PER PALLET

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_

ITEM NO.40

BLACK WATERBORNE PAINT

PER PALLET

Unit Bid Price Written in Words

In Numerals

\_\_\_\_\_ \$ \_\_\_\_\_



## Town of Nantucket

### SECTION IV.

#### CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

The undersigned hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work and that he will comply fully with all laws and regulations applicable to awards made subject to section forty-four A.

Signature of person signing bid or proposal

---

Printed name of person and title

---

Name of Business



## Town of Nantucket

### SECTION V.

#### TAX COMPLIANCE CERTIFICATION

Pursuant to M.G.L. 62C, §49A, I certify under the penalties of perjury that, to the best of my knowledge and belief, I am in compliance with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

\_\_\_\_\_  
Federal Employer ID Number

\_\_\_\_\_  
Name of Corporation

By: \_\_\_\_\_  
President's Signature

Date: \_\_\_\_\_



## Town of Nantucket

### VI. SPECIAL PROVISIONS

#### GENERAL

The Work under this Contract consists of providing various materials as described herein to the Town of Nantucket.

All Work done under this Contract shall be in conformance with the 1988 Massachusetts Highway Department (MassDOT) Standard Specifications for Highways and Bridges, the Supplemental Specifications dated 6/15/2012 and the 2012 Construction Standard Details all as amended. These Special Provisions will serve as a complement to the previously mentioned MassDOT Standards and Specifications and shall take precedence over the previously mentioned MassDOT Standards and Specifications where conflicts arise.

#### ***FUEL PRICE ADJUSTMENT WILL BE ALLOWED FOR ONLY ITEMS 1 AND 2.***

The vendor shall furnish manufacturer's certification that the materials conform to the specifications. **ALL MATERIALS SHALL WILL BE PICKED UP BY THE TOWN AT THE VENDOR'S SITE, EXCEPT ITEMS 2 (Asphalt) , 4 (Ready Mix Concrete), 5 (Flowable Fill) WHICH SHALL BE DELIVERED TO A SPECIFIC WORK SITE AS NECESSARY. IF THE TOWN IS NOT ABLE TO PICK UP MATERIALS AT THE SITE AGREED UPON WITH THE VENDOR, THEN VENDOR WILL BE ALLOWED TO NEGOTIATE A DELIVERY CHARGE ADDITIONAL TO THE UNIT ITEM COST ONLY BY SUBMITTING PROOF OF EXTRA DELIVERY COSTS BEFOREHAND.** If, at any time, the materials picked up or delivered are found to be sub-standard, the vendor shall be responsible for removing the offending material at their cost, within ten (10) working days after receiving notification from the Town.

All deliveries (if needed) shall be made during each Town's normal business hours, Monday through Friday (except legal holidays), and in the presence of an authorized Town employee or agent.

Delivery shall be immediate unless the item is out of stock or not normally stocked, then the vendor shall notify the Town and shall make delivery within ten (10) days.

If at any time the vendor is unable to furnish materials or services as ordered, The Town may order such materials or services from such places as are available.

If services of the vendor are subsequently deemed to be unsatisfactory to the Town and/or are in violation of these specifications, the Town shall notify the said vendor in writing. If mutually agreeable arrangements cannot be achieved between the Town and the vendor, the terms of the Contract with the Town will be terminated. Notice of termination will be in writing and notification will be sent by registered or certified mail. Termination will become effective three (3) days after mailing said notification.

The vendor receiving an award shall, at no expense to the Town, adhere to Massachusetts General Law Chapter 111F - "Right to Know Law" as it shall apply to the items contained in the award notice.

MSDS labels and data are required where applicable.



## Town of Nantucket

### UNIT PRICE WORK

Initially, the Contract Price will be deemed to include for all Unit Price Work an amount equal to the established unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement. The estimated quantities of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price.

Each unit price will be deemed to include an amount considered by CONTRACTOR to be adequate to cover CONTRACTOR'S overhead (**not including delivery costs to the island**) and profit for each separately identified item. The prices bid shall, without exception, include all royalties and other costs arising from patents, trademarks, and copyrights in any way involved in the materials to be supplied.

When the accepted quantity of Work varies from the estimated quantity, the CONTRACTOR shall accept as payment in full, so far as each contract item is concerned, payment at the original Contract unit price for the accepted quantity of Work done.

No allowance will be made for any increased expenses (**but delivery costs and only with proof of costs before delivery is made**), loss of expected reimbursement or loss of anticipated profits suffered or claimed by the Contractor, resulting either directly or indirectly from such increased or decreased quantity.

The Town does not guarantee any minimum quantity of Unit Price Work. The CONTRACTOR may contact the Town to obtain information regarding quantities used in previous years, if he so chooses. However, the Town will not guarantee that an equal or greater quantity of Unit Price Work will be requested. The Town reserves the right to purchase quantities of Contract materials from other sources for emergency or other reasons. The vendor shall submit separate invoices accompanied by signed delivery slips.

It shall be the responsibility of the CONTRACTOR to inform the Town when the sum of all orders for units of Work is within 90% of the total Contract price. The CONTRACTOR'S total billing can not exceed the total Contract price without prior written approval by the Town.

### TAXES

State taxes will be excluded from all General and Sub-bids. The Town shall provide their exemption certificate number to the CONTRACTOR. CONTRACTOR shall pay all taxes required to be paid by CONTRACTOR in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

### WEIGHING

All materials requiring payment by weight shall be weighed at a certified scale prior to delivery and the weigh slips shall be delivered to and signed by a Town representative. The Town may require gross weights and vehicle tare weights verified at time of delivery.

### MISCELLANEOUS

No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically, but without limitation, moneys that may become due and monies that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an





## **Town of Nantucket**

assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

The Town and CONTRACTOR each binds himself, his partners, successors, assigns and legal representatives in respect to all covenants, agreements and obligations contained in the Contract Documents.

This CONTRACT shall be deemed to include all terms and requirements imposed by laws related to the performance of the Work on the Project or Services.

This is not an exclusive contract to provide services or materials to the Town. The Town reserves the right to contract for similar services or materials.



## **Town of Nantucket**

### **VII. SUPPLEMENTARY SPECIFICATIONS**

#### **GENERAL**

The Work under this Contract consists of providing various materials as described herein to the Town of Nantucket.

All Work done under this Contract shall be in conformance with the 1988 Massachusetts Highway Department (MassDOT) Standard Specifications for Highways and Bridges, the Supplemental Specifications dated 6/15/2012 and the 2012 Construction Standard Details all as amended. These Special Provisions will serve as a complement to the previously mentioned MassDOT Standards and Specifications and shall take precedence over the previously mentioned MassDOT Standards and Specifications where conflicts arise.

#### **ASPHALT ITEMS:**

**HOT MIX ASPHALT (LOADED ON TOWN TRUCKS) (Item No. 1)**

**HOT MIX ASPHALT (DELIVERED TO SITE) (Item No. 2)**

**COLD PATCH (Item No. 3)**

Hot mix asphalt shall be manufactured in conformance with the material, composition, mixing, testing and plant requirements Section M3 of the Standard Specifications. Cold Patch shall meet the requirements of Section 472.40 of the 2012 Supplemental Specifications. Payment for Hot Mix Asphalt and Cold Patch shall be at the unit bid price per ton which shall include all mixes shown on Table A of Subsection M3.11.03 loaded on Town trucks or delivered to a specific site, as required, included in the price.

#### **CONCRETE ITEMS:**

**CEMENT CONCRETE (Item No. 4)**

**CONTROLLED DENSITY FILL (Item No. 5)**

Cement Concrete shall be manufactured in conformance with section M4 of the Standard Specifications. Cement Concrete delivered shall have a 28-Day Compressive Strength of no less than 4,000 psi (unless specified when ordered).

Controlled Density Fill shall be manufactured in conformance with the material, composition, mix designs, and testing requirements of Standard Specification Subsection M4.08.0. All types of controlled density fill shown in Subsection M4.08.0 shall be furnished, as required, and delivered to a specific site at no additional cost. The Town will specify the type of that will be required when making the order.

Payment for Cement Concrete and Controlled Density Fill shall be at unit bid price per Cubic Yard including delivery to site.



## Town of Nantucket

### PRECAST, CASTINGS, PIPES AND OTHER DRAINAGE ITEMS:

- 4' DIAMETER PRECAST CATCH BASIN (H-20) (Item No. 6)
- 4' DIAMETER PRECAST DRAIN MANHOLE (H-20) (Item No. 7)
- CONSEAL FOR PRECAST STRUCTURES (Item No. 8)
- 600 GALLON PRECAST LEACHING PIT (H-20) (Item No. 9)
- 1,000 GALLON PRECAST LEACHING PIT (H-20) (Item No. 10)
- SQUARE PRECAST LEACH GALLEYS (H-20) (Item No. 11)
- RECTANGULAR PRECAST LEACH GALLEYS (H-20) (Item No. 12)
- STORMWATER INFILTRATOR CHAMBERS (H-20) (Item No. 13)
- 2' RISER SECTION FOR 4' DIAMETER PRECAST STRUCTURES (H-20) (Item No. 14)
- 2' TALL, 24" DIAMETER PRECAST RISER (H-20) (Item No. 15)

Items 6 through 13 must be able to handle H-20 loading. All precast structures shall meet the requirements of Subsection M4.02.16 of the MassDOT Standard Specifications. All Precast Catch Basins and Manholes must have knockouts that accommodate a 4' sump below the invert of a 12" pipe and if not, a minimum 3' sump below the invert of a 12" pipe.

Square precast leaching galleys shall have a minimum capacity of 200 gallons and rectangular precast leaching galleys must have a minimum capacity of 500 gallons. Stormwater infiltrator chambers must have a minimum capacity of 80 gallons. Item No. 14 must be Shorey Precast Catalog Wt = 904# or equal.

Payment for items 6 through 13 shall be at the unit bid price per Each which will include the end caps for stormwater infiltrator chambers and end sections for both square and rectangular leach galleys as necessary.

- FRAME AND GRATE (Item No. 16)
- FRAME AND COVER (Item No. 17)
- 12 INCH PLASTIC HOOD (Item No. 18)

All castings shall meet the requirements of MassDOT 2012 Supplemental Specifications M8.03.0. 3.

Frames and Grates: Both 3-flange and 4-flange shall be a cascade type with an 8 inch frame. 3 flange shall be East Jordan Iron Works LK120D-300 or similar and 4 flange shall be East Jordan Iron Works LK121D-400 or similar.

Frames and Covers: Drainage manhole frames shall have a minimum 8 inch frame and the cover shall have the word "DRAIN" on it. Frame and Cover shall be East Jordan Iron Works LK110A-000 or similar.

12 Inch Hood shall be plastic

Payment for items 14 through 16 shall be at the unit bid price Each where a Frame and Grate is an unit, a Frame and Cover is an unit and a 12 inch Hood is an unit.

- 12 INCH CORRUGATED PLASTIC (POLYETHYLENE) PIPE (Item No. 19)
- 12 INCH CORRUGATED PLASTIC (POLYETHYLENE) PIPE (FLARED END SECTION (Item No. 20)
- 12 INCH REINFORCED CONCRETE PIPE FOR CLASS IV (Item No. 21)
- 12 INCH REINFORCED CONCRETE PIPE FOR CLASS IV (FLARED END) (Item No. 22)

All pipes shall meet the requirements of section 230 of the MassDOT Standard Specifications and the 2012 Supplemental Specifications. Payment for items 17 and 18 shall be at the unit bid price Linear Foot.



## **Town of Nantucket**

### **BRICK AND BLOCK ITEMS**

**6 INCH CEMENT CONCRETE BARREL BLOCKS (Item No. 23)**

**4 INCH CEMENT CONCRETE SOLID BLOCKS (Item No. 24)**

**CLAY BRICKS (Item No. 25)**

Cement Concrete Blocks shall conform to Subsection M4.05.1 of the Standard Specifications.

Clay Bricks shall conform to Subsection M4.05.2 of the Standard Specifications. Pallets should contain a minimum of 200 bricks. Payment for items 19 through 21 shall be at the unit bid price per pallet.

### **SAND, LOAM AND AGGREGATE ITEMS**

**$\frac{3}{8}$  INCH DOUBLE WASHED STONE FOR DRAINAGE (Item No. 26)**

**$\frac{3}{4}$  INCH DOUBLE WASHED STONE FOR DRAINAGE (Item No. 27)**

**1  $\frac{1}{2}$  INCH DOUBLE WASHED STONE FOR DRAINAGE (Item No. 28)**

**1  $\frac{1}{2}$  INCH DENSE GRADED CRUSHED STONE FOR BASE (Item No. 29)**

**RIPRAP 6" – 12" (Item No. 30)**

**RIPRAP 12" – 18" (Item No. 31)**

**STONE DUST (Item No. 32)**

Aggregate materials shall conform to the following Standard Specification subsections:

Crushed Stone - M2.01.1, M2.01.2, M2.01.4 and M2.01.6 (double washed)

Dense Graded Crushed Stone - M 2.01.7 (1  $\frac{1}{2}$ ")

A requirement for all grades of crushed stone (except dense graded) shall be that not more than 0.3% of unsatisfactory material shall pass a No.4 sieve. Payment for items 22 through 25 shall be made at unit bid price per ton. A weight slip must be provided.

**SAND BORROW (Item No. 33)**

**LOAM BORROW (Item No. 34)**

Soil borrow materials shall conform to the following Standard Specification subsections:

Sand Borrow - for Winter Maintenance - M 1.04.0 Type a (Washed)

Loam Borrow - M 1.05.0

Sand shall be washed and screened through a one quarter inch ( $\frac{1}{4}$ ") screen. The sand must be coarse and free from clay, silty loam and other undesirable materials. The Town may require, at its discretion, that emergency deliveries must be made during other periods to include Saturdays, Sundays, Holidays and non-business hours Monday through Friday.

Loam borrow shall be screened to removed all stones and other material larger than 1 inch and free from grasses, weeds and any other detrimental materials. Payment for items 27 and 28 shall be made at unit bid price per cubic yard. A slip must be provided showing the actual amount of material.



## **Town of Nantucket**

### **ROAD MARKING MATERIALS**

**WHITE THERMOPLASTIC PAINT (Item No. 35)**  
**YELLOW THERMOPLASTIC PAINT (Item No. 36)**  
**WHITE WATERBORNE PAINT (Item No. 37)**  
**YELLOW WATERBORNE PAINT (Item No. 38)**  
**BLUE WATERBORNE PAINT (Item No. 39)**  
**BLACK WATERBORNE PAINT (Item No. 40)**

All thermoplastic paint must confirm to MassDOT specification M7.01.03 and M7.01.04. Waterborne paint must be Hydrophast Premium Waterborne Traffic Paint or equal. Pallets of thermoplastic paint must contain a minimum of 2,000 lbs. per pallet of material and pallets of waterborne paint must contain a minimum of 24 gallons of paint per pallet. Blue color paint for items 37 and 40 must comply with ADA, Mass. AAB, MUTCD and any other applicable laws and requirements for handicapped road markings. Payments for items 29 through 32 shall be made at the unit bid price per pallet.